

**From:** [R6HarveyENVL](#)  
**To:** [R6HarveyInfo](#)  
**Subject:** FW: Draft Procedure to activate air sample collection  
**Date:** Friday, September 8, 2017 1:17:31 PM

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**From:** Newhart, Gary  
**Sent:** Friday, September 8, 2017 1:17:30 PM (UTC-06:00) Central Time (US & Canada)  
**To:** Bhattacharya, Dipanjana; Rauscher, Jon  
**Cc:** R6HarveyENVL  
**Subject:** Draft Procedure to activate air sample collection

Procedure to activate air sample collection:

The Trace Atmospheric Gas Analyzer (TAGA) is being used to screen specific areas for target contaminants that are affiliated with the aftermath of Hurricane Harvey.

If the TAGA monitoring values exceed the Texas Commission on Environmental Quality (TCEQ) Air Monitoring Comparison Values (AMCV) Short Term benchmarks, and all readings exceed the AMCV benchmarks over a 5 minute monitoring interval, then an **Area Specific Evaluation** is warranted. If there are multiple exceedances identified by the TAGA over the 5 minute monitoring interval, but are not continuous exceedances, then the TAGA will attempt to isolate the source of the exceedances. Hand held monitors can also be employed to further isolate the area of contaminant exceedances. If exceedances are intermittent, this information will be noted and monitoring will continue. If the exceedances are continuous, then an **Area Specific Evaluation** may be warranted.

**Area Specific Evaluation:**

If the TAGA monitoring identifies an elevated contaminant, as defined by exceeding the established benchmarks, further evaluation of the suspected source is warranted. Around the detected contamination, put out SUMMA Cannisters [24 – hour sample controllers]; sampling locations to be determined by field personnel. The analysis of the SUMMA collected samples shall be TO-15 (complete or modified as appropriate). If appropriate, samples can be collected using Tedlar bags and analyzed on the TAGA bus; the TAGA bus carries a gas chromatograph/mass spectrometer (GC/MS) which may be used to analyze samples collected in Tedlar bags. If appropriate, further contaminant source isolation can be accomplished by using the ASPECT Aircraft.